GLOBAL5 CO., LTD.

Vehicle and Asset Tracking System

User Manual

Version 2.0

บริษัท โกลบอลไฟว์ จำกัด 132/15,16 ซอยรามคำแหง 24 แยก 34 แขวงหัวหมาก เขตบางกะปิ กรุงเทพฯ 10240
Tel: 02 719 0505, Fax: 02 719 0504 www.global5thailand.com

GLOBAL5 CO., LTD.

Global5 is a center for GPS technology, navigation systems, GPS for the survey, and e-map. Global5 was found from a group of professionals who have knowledge and experience of GPS system. to provide cutting edge technology to clients in the Global practice with friendly treat. Come visit us to try the GPS or exchange the Geographic Information System (GIS) knowledge or Update map and install GPS related Program. Global5 also offers display and demonstrate products to corporate customers as well. Please contact us at any time. Global5 Co. Ltd. is the sole distributor of GlobalSat Public Co., Ltd. in Thailand. Global5 commits to meet the business to individual consumer demands with state-of-the-art technology with service mind for the benefits to all sides.

Global5 Head Office

Taiwan Factory

Server

บริษัท โกลบอลไฟว์ จำกัด 132/15,16 ซอยรามคำแหง 24 แยก 34 แขวงหัวหมาก เขตบางกะปิ กรุงเทพฯ 10240
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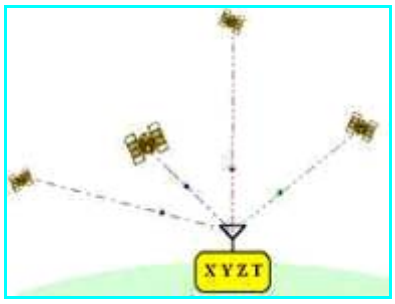
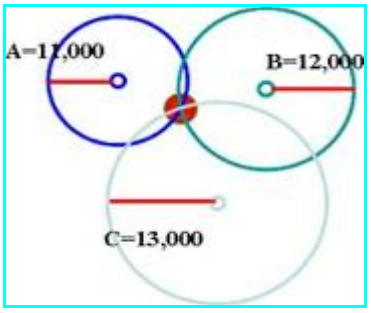
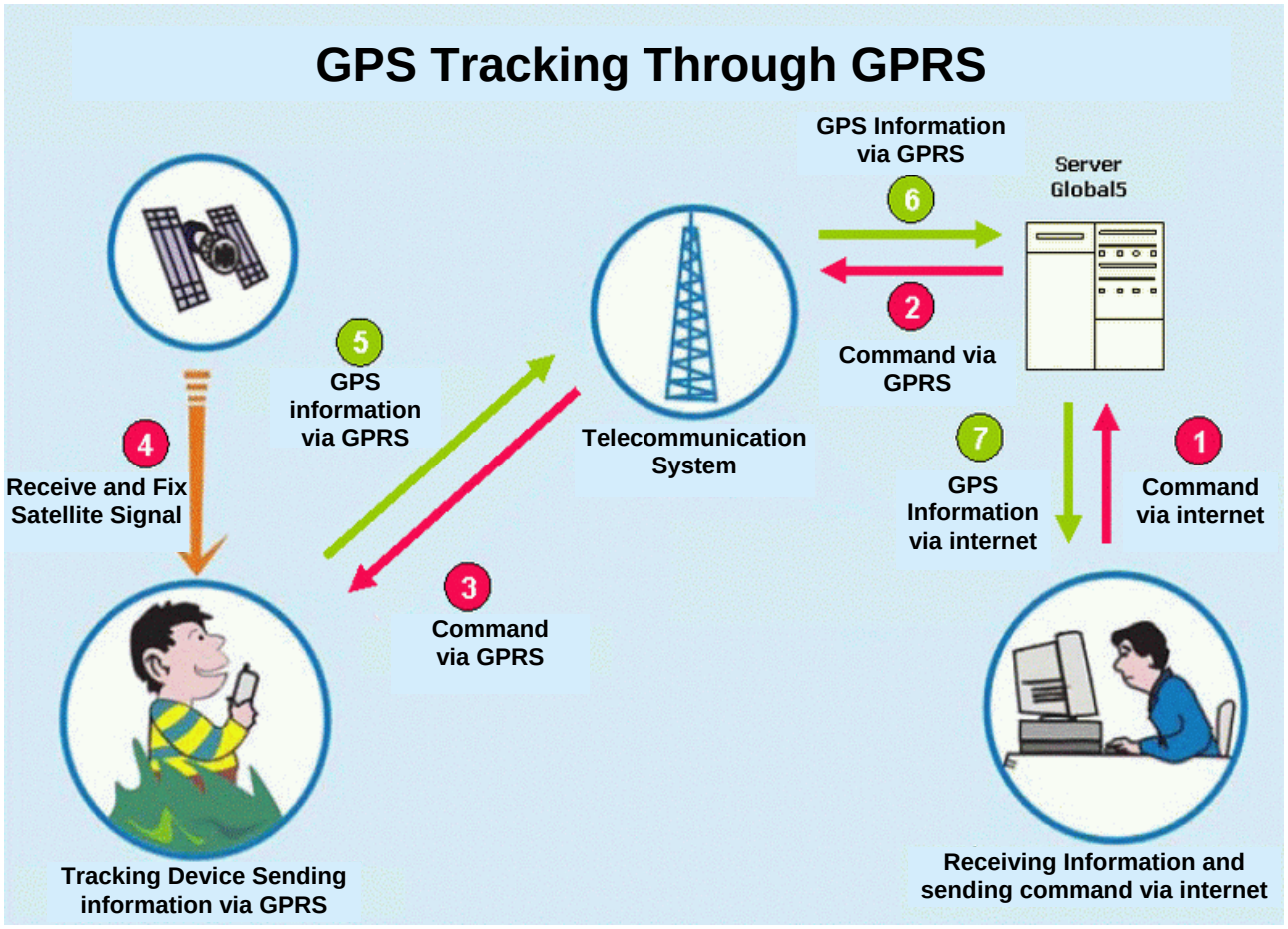
Operation of the GPS (Global Positioning System)

Satellite GPS (Navstar) consists of 24 satellites orbiting the earth 12, 600 mile over the ground. Time to orbit the earth is 12 hours. GPS works by receiving signals from the satellites. The satellite signal contains information indicating the position and time signals. The GPS receiver must process the difference of time in real time against the signal time and convert to distance between the current location to the reference ground locations of satellites. To locate a position precisely must have at least 4 satellites. The 3 satellites would be enough to locate any position if the earth is flat. But it is not so that the fourth satellite is needed to solve the uneven surface.







บริษัท โกลบอลไฟว์ จำกัด 132/15,16 ซอยรามคำแหง 24 แยก 34 แขวงหัวหมาก เขตบางกะปิ กรุงเทพฯ 10240
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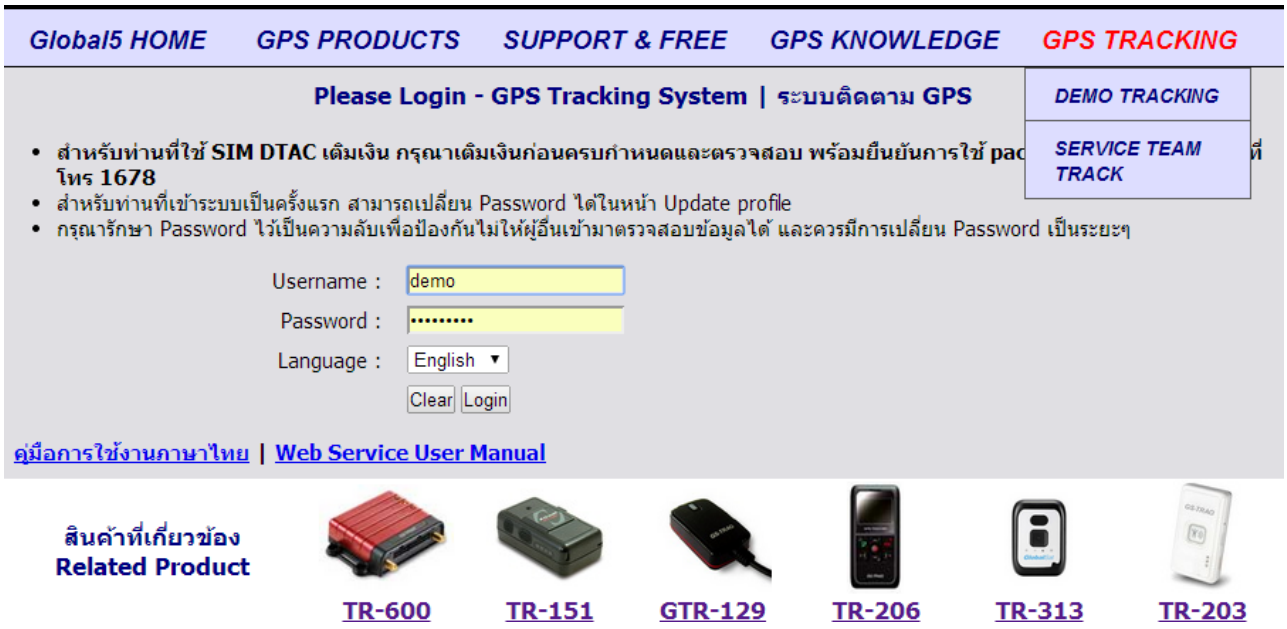
The Uses of Web Service

1. Enter to the website

Go to www.global5thailand.com and click GPS Tracking

2. Login

Type the Username, Password and select language. Then, click at Login



บริษัท โกลบอลไฟว์ จำกัด 132/15,16 ซอยรามคำแหง 24 แยก 34 แขวงหัวหมาก เขตบางกะปิ กรุงเทพฯ 10240
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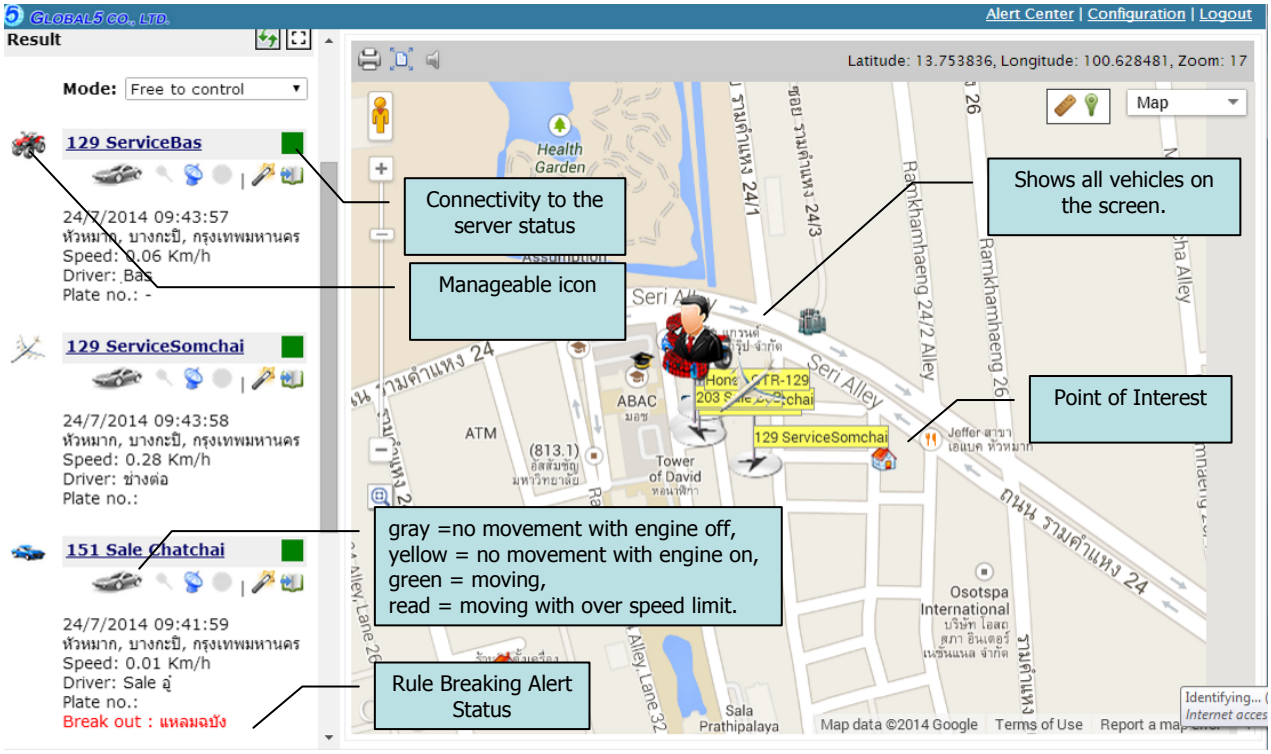
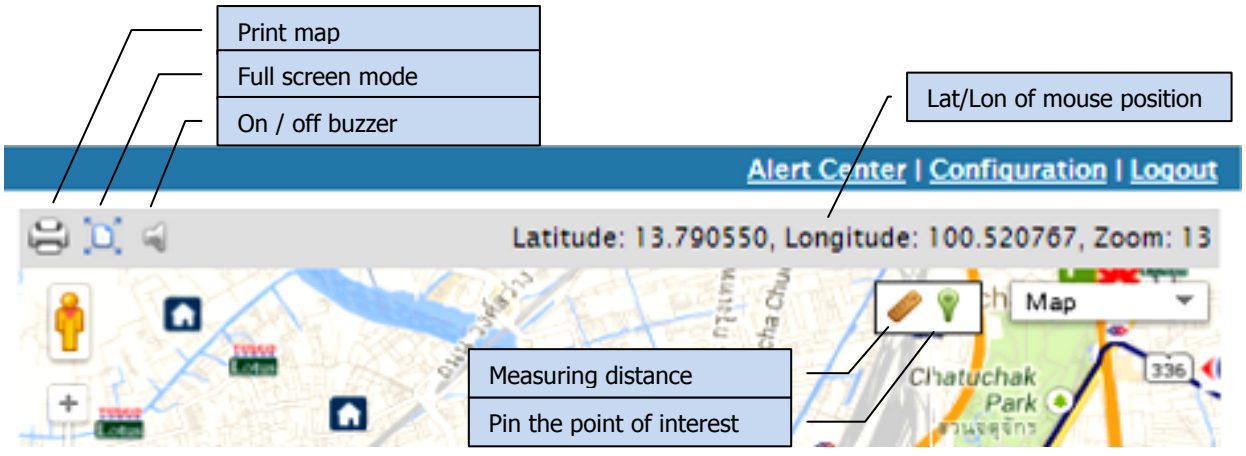
3. Monitoring the Vehicles

Click show map > click Search

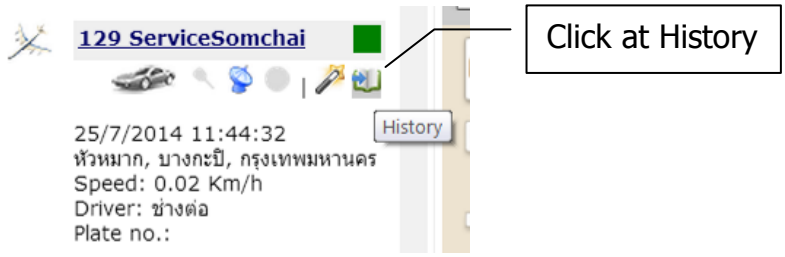
4. Select the Vehicle

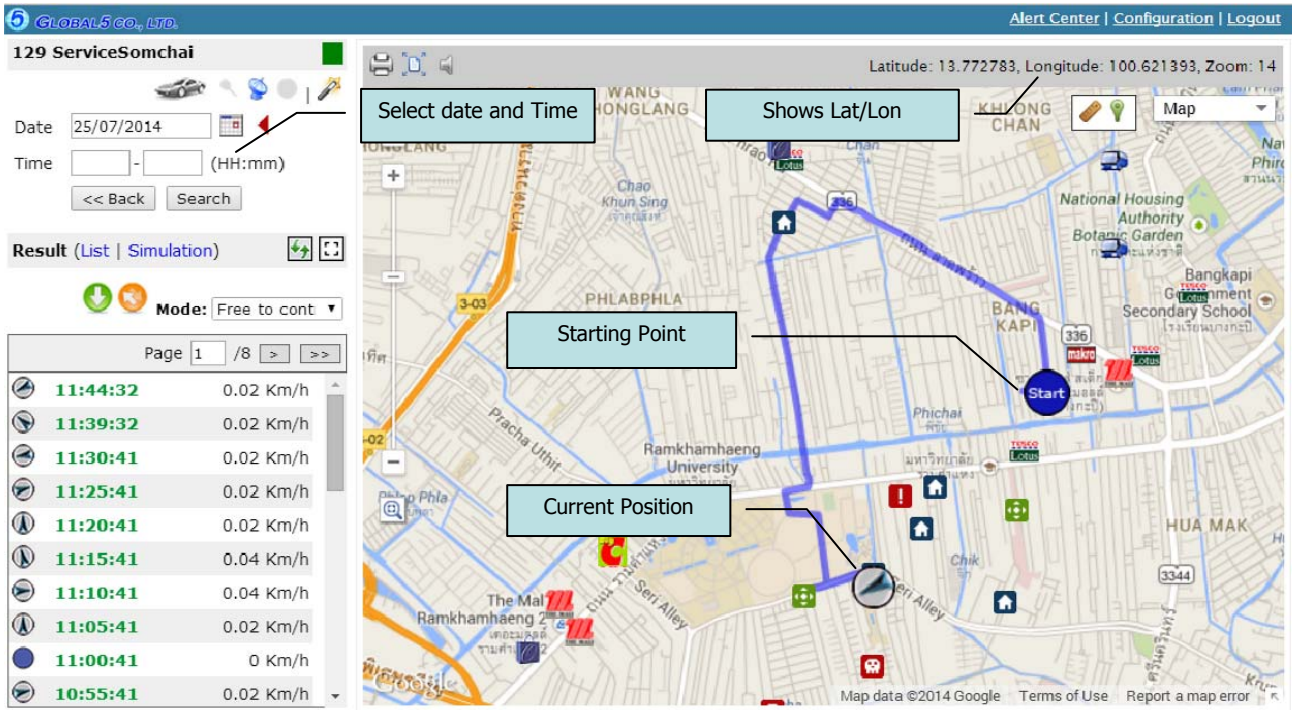


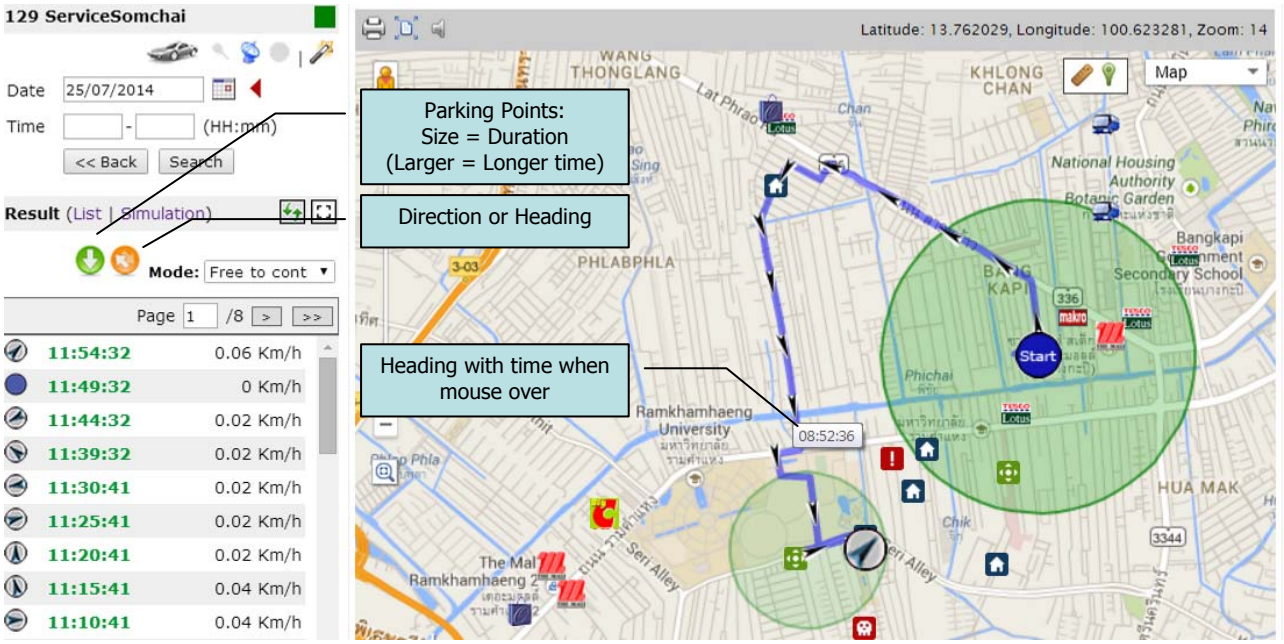


5. Individual Vehicle Monitoring

Click at History then select date and time







บริษัท โกลบอลไฟว์ จำกัด 132/15,16 ซอยรามคำแหง 24 แยก 34 แขวงหัวหมาก เขตบางกะปิ กรุงเทพฯ 10240
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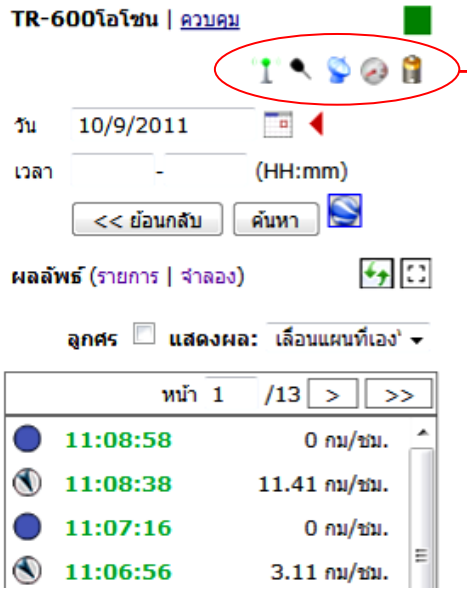


TR-600 status icon

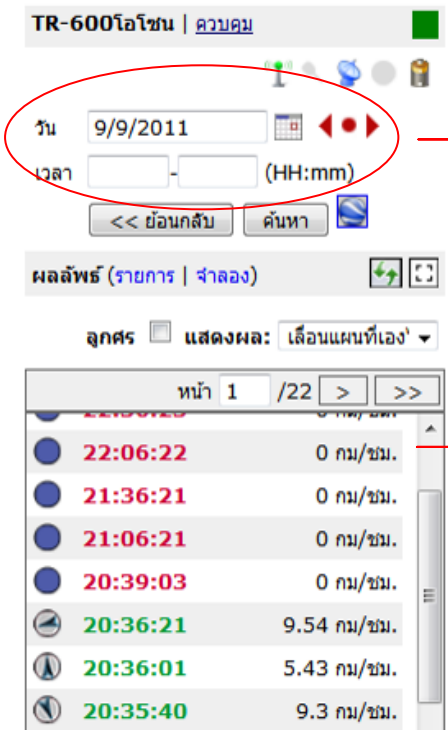
Connect to the antenna. If grey, means antenna is damaged or disconnected.

Engine is on. If grey, means engine is off.

Received the satellite signal. If grey, lost satellite signal reception.

Motion Sensor activated. If grey, cannot detect movement.

Connect to external power source. If grey, power cord is disconnected.



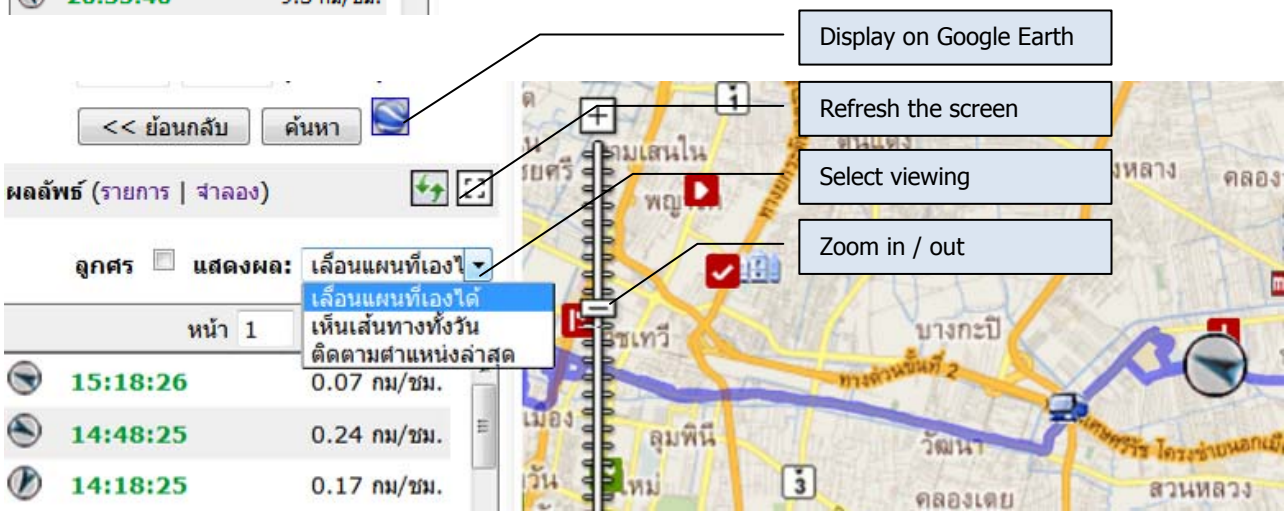
Connectivity to the server status:
Green means connect to the server.
Red means no connection.

Viewing the past records

- Select date or click the red arrow to forward or backward.
- Red dot for current date
- Type in start and end time for particular period

The records

- means no movement
- show heading
- Time in red means lost satellite signal reception
- Time in green means received the satellite signal



บริษัท โกลบอลไฟว์ จำกัด 132/15,16 ซอยรามคำแหง 24 แยก 34 แขวงหัวหมาก เขตบางกะปิ กรุงเทพฯ 10240
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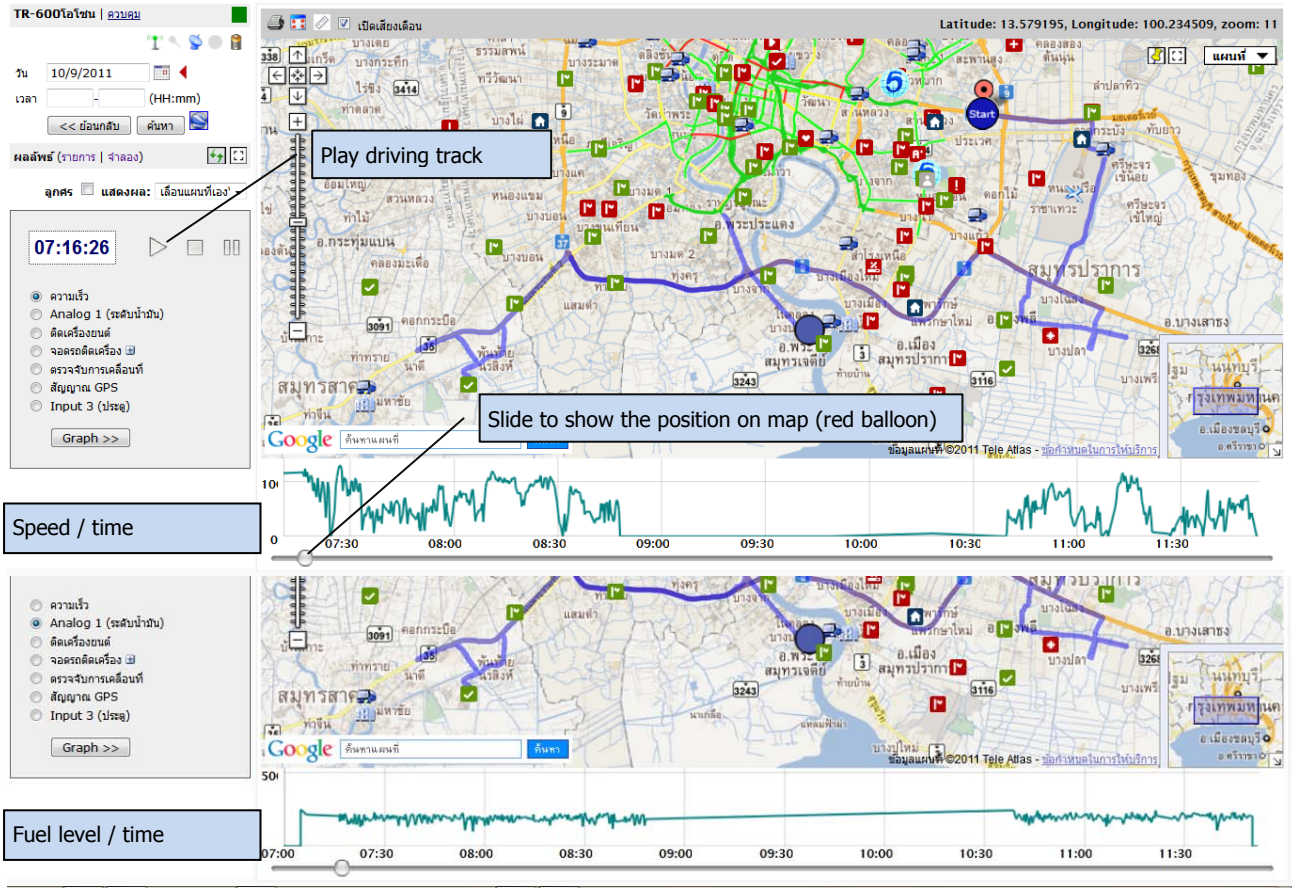
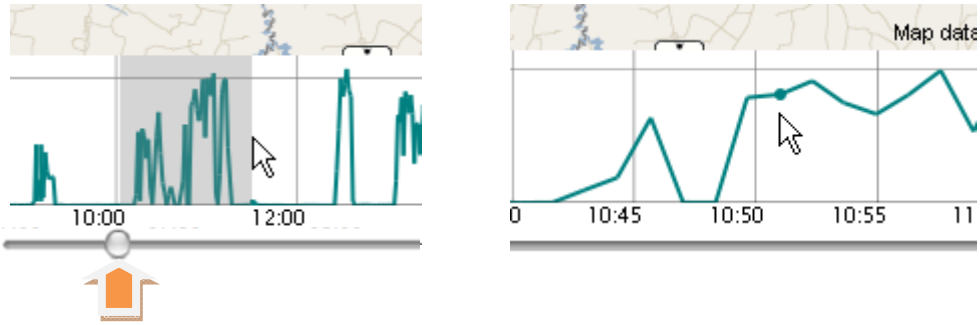
6. Simulation

Click Simulation to simulate the track and other parameters such as fuel level, engine status and etc.

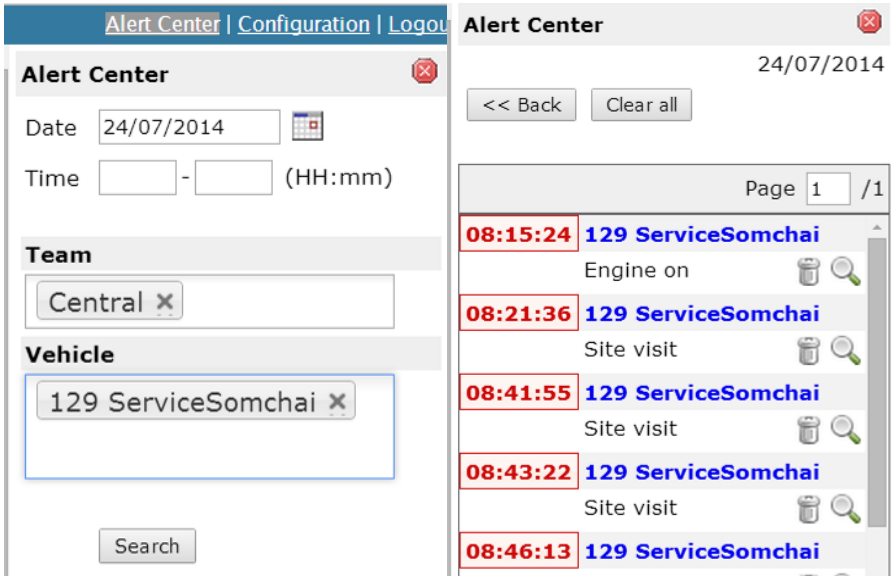

Play driving track
Slide to show the position on map (red balloon)
Speed / time
Fuel level / time
Latitude: 13.579195, Longitude: 100.234509, zoom: 11
07:16:26

Click at and drag within the Graph area to zoom for the interesting period (Double Click for reset to full period)



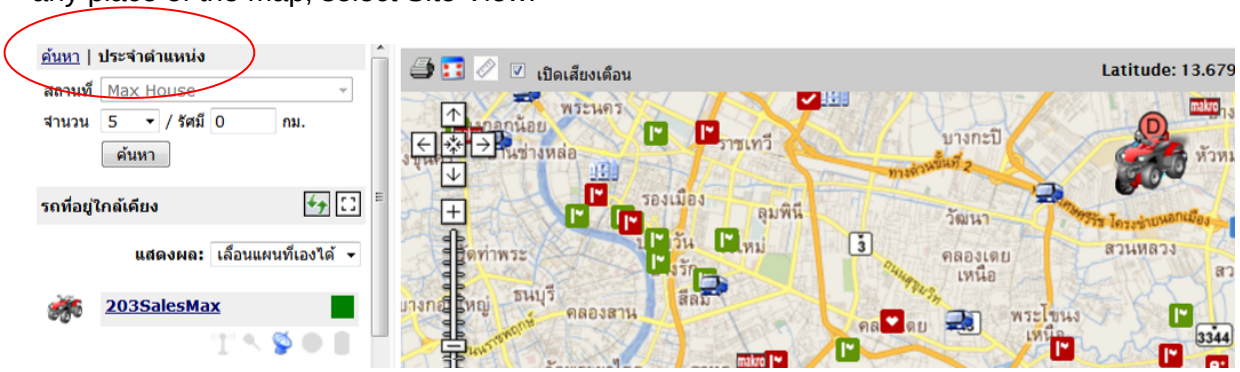
Click and drag the Slider bar to show position (recommend using with Firefox or Chrome for quick response)

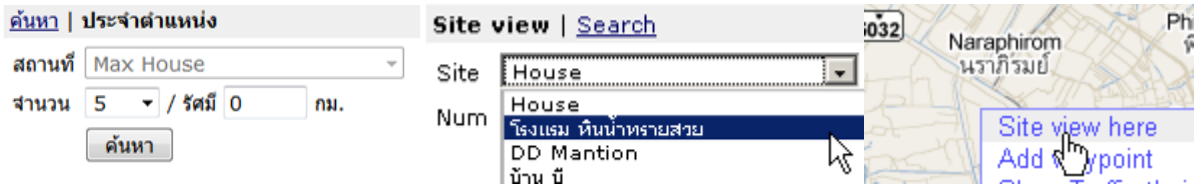
7. Alert Center for monitoring events of yours choice



Search vehicles near the POI

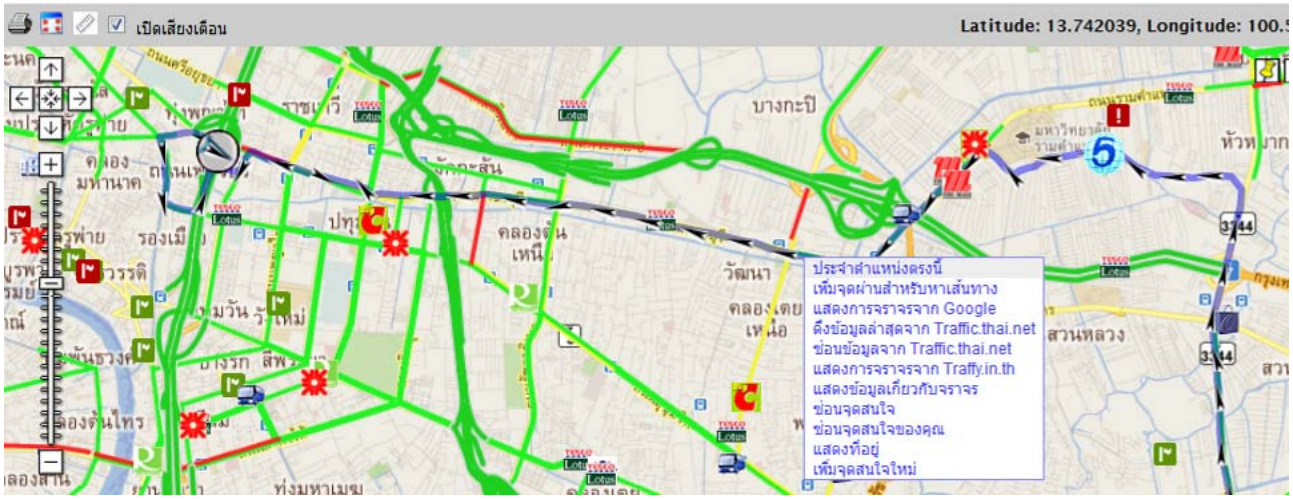
Click Site view, select pre-recorded POI from the list, type radius and click search or right click at any place of the map, select Site View.





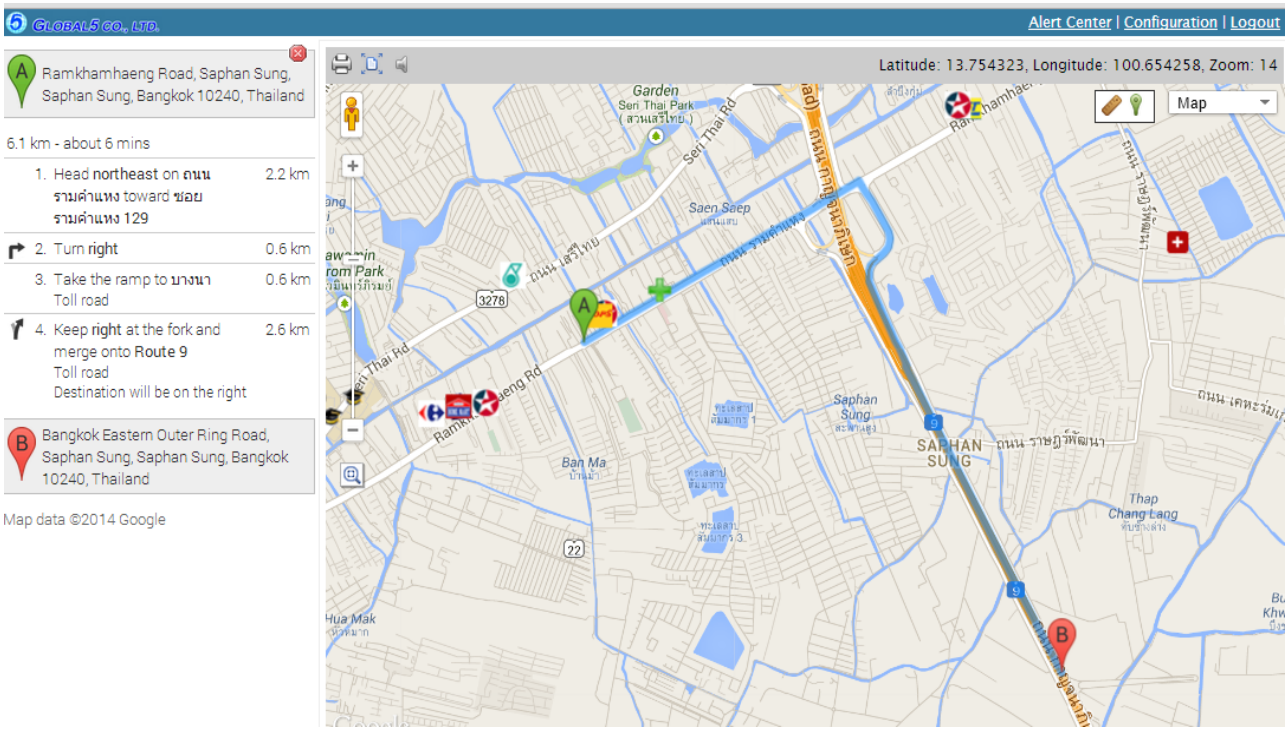
8. Traffic Information

Right click and select Show Traffic. There will be the traffic information.

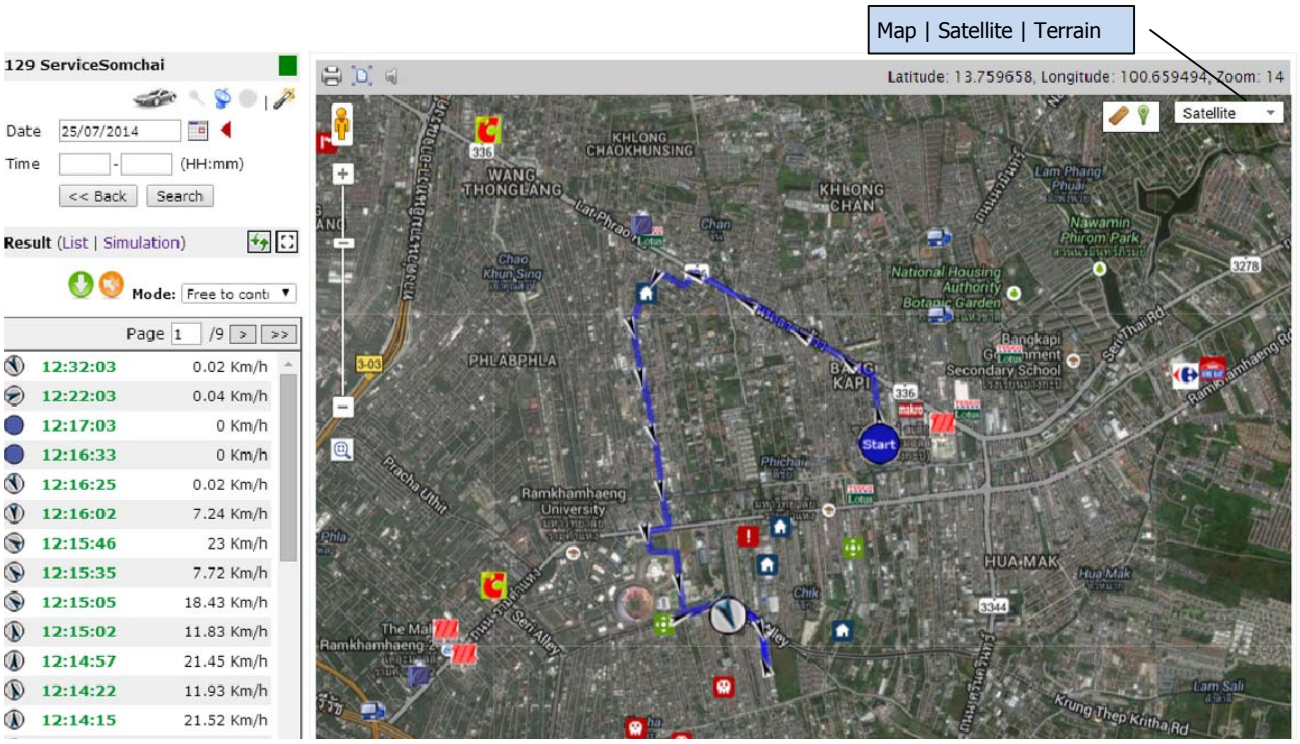


9. Route Creation

Right click and select Add waypoint, repeat the steps for destination. The route will be appeared on the map.

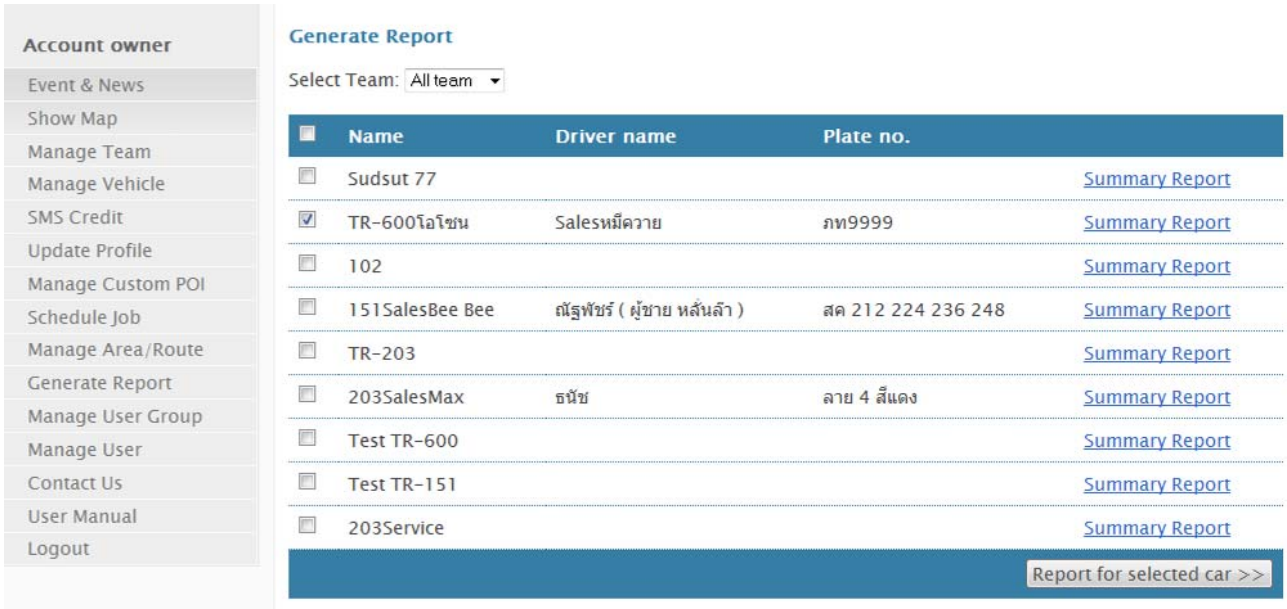

GLOBAL5 CO., LTD.
Alert Center | Configuration | Logout
Ramkhamhaeng Road, Saphan Sung, Saphan Sung, Bangkok 10240, Thailand
6.1 km - about 6 mins
1. Head northeast on ถนน รามคำแหง toward ซอย รามคำแหง 129 2.2 km
2. Turn right 0.6 km
3. Take the ramp to บางนา Toll road 0.6 km
4. Keep right at the fork and merge onto Route 9 Toll road Destination will be on the right 2.6 km
Bangkok Eastern Outer Ring Road, Saphan Sung, Saphan Sung, Bangkok 10240, Thailand
Map data ©2014 Google
Latitude: 13.754323, Longitude: 100.654258, Zoom: 14
Map
Garden
Seri Thai Park
Saen Saep
Saphan Sung
SAPHAN SUNG
Ban Ma
Thap Chang Lang
3278
22

10. Satellite View



11. Generate Report

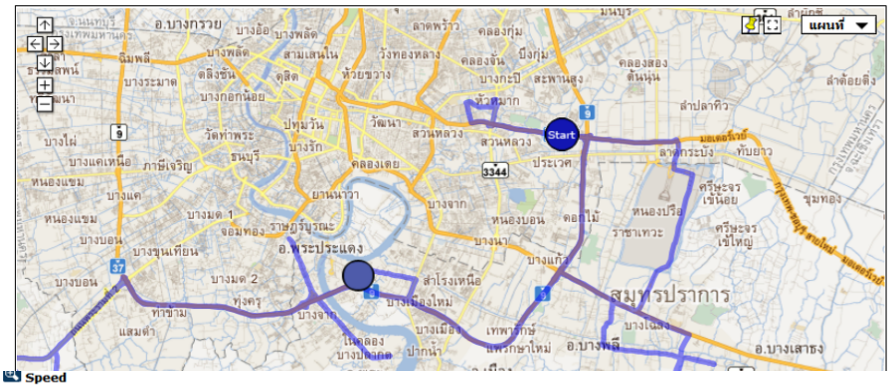
Click at Configuration on the top right corner (at map view) or at main menu column > click Generate Report > select the vehicle > click at Summary Report or Report for selected car on the lower right corner.



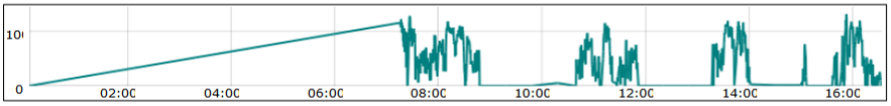
Summary Report

Summary Report [10/9/2011]

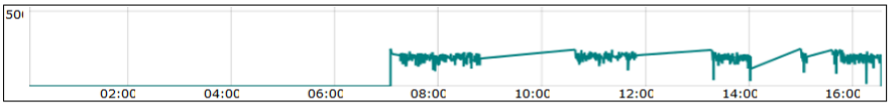
Name	TR-600โอโซน	**Driver**	Salesหมีควาย
Plate no.	ภท9999	**Team**	Central
Total distance	246.33 Km	**Maximum speed**	131.92 Km/h
Average speed	59.90 Km/h		



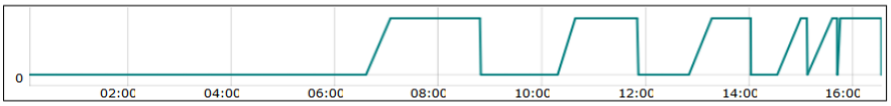
Speed



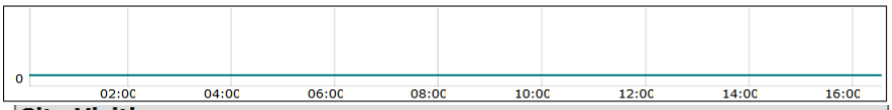
Analog 1 (ระดับน้ำมัน)



Engine on/off



Park with Engine on



Site Visiting

Site radius : 100 M.

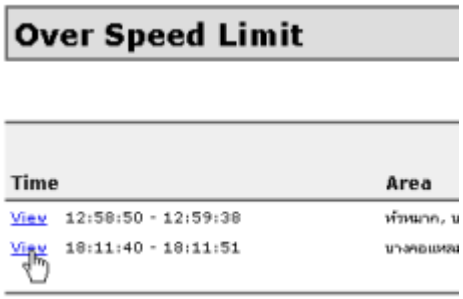
Departure	Time	Arrive	Time	Traveling Duration (Min)	Visiting Duration (Min)	Average Speed (Km/h)	Traveling Distance (Km)
View Start	07:16:26	APOLLO TEC TRADING CO.,LTD	08:48:00 - 10:39:40	92	112	65.28	99.62
View APOLLO TEC TRADING CO.,LTD	10:40:01	บริษัท โกลบอลไฟว์ จำกัด(สำนักงานใหญ่)	15:06:43 - 15:37:07	267	30	23.35	103.80
View บริษัท โกลบอลไฟว์ จำกัด(สำนักงานใหญ่)	15:37:27	End	16:33:40 - 16:33:40	56	0	45.15	42.30

Over Speed Limit

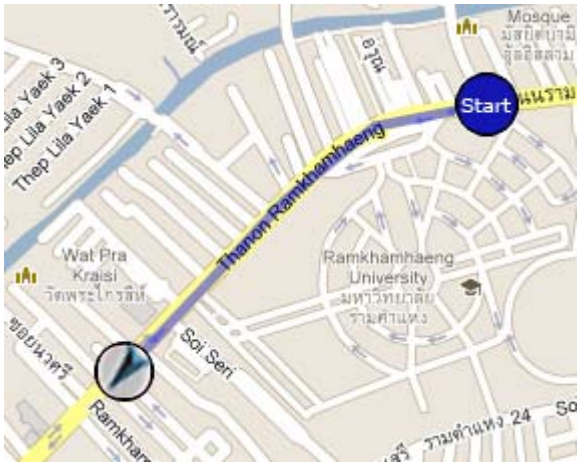
Speed Limit : 100 Km/h, Moving Average : 4

Time	Area	Duration (Min)	Average Speed (Km/h)	Traveling Distance (Km)
View 07:16:59 - 07:19:19	ประเวศ, ประเวศ, กรุงเทพมหานคร	2	104.26	4.05
View 07:26:34 - 07:28:18	หนองปรือ, บางพลี, สมุทรปราการ	2	114.72	3.31
View 07:28:57 - 07:28:57	บางโฉลง, บางพลี, สมุทรปราการ	0	95.79	0.00
View 08:10:06 - 08:15:30	บางแก้ว, บางพลี, สมุทรปราการ	5	105.67	9.51
View 08:16:53 - 08:17:54	บางด้วน, เมืองสมุทรปราการ, สมุทรปราการ	1	102.20	1.73

Click View to show position on the map.



click View



Over speed location

In / out of restricted area

Track from site to site.

Manageable Site radius

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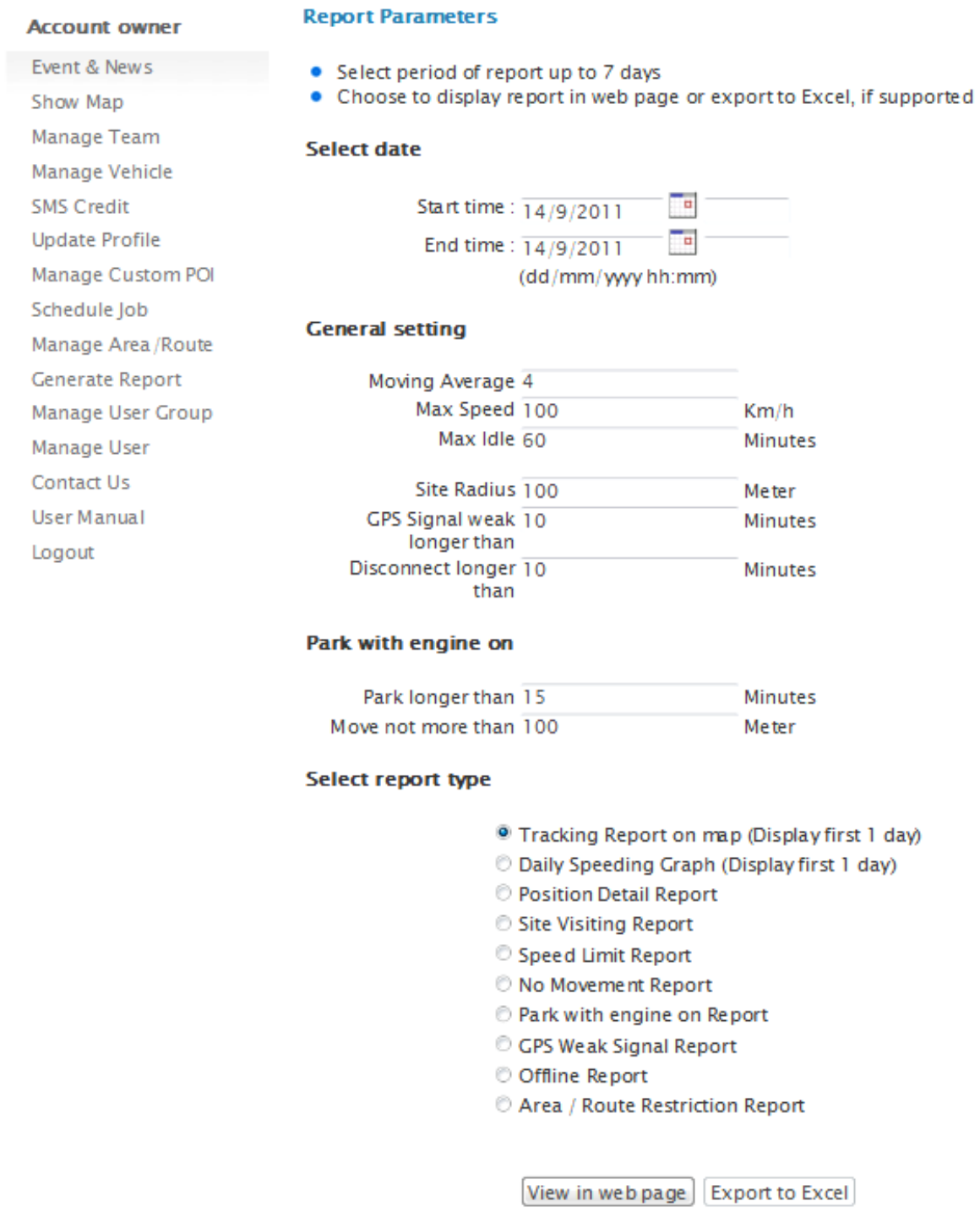
Report for Selected Car

Select date > set other parameters > select report type > click view in web page or Export to Excel



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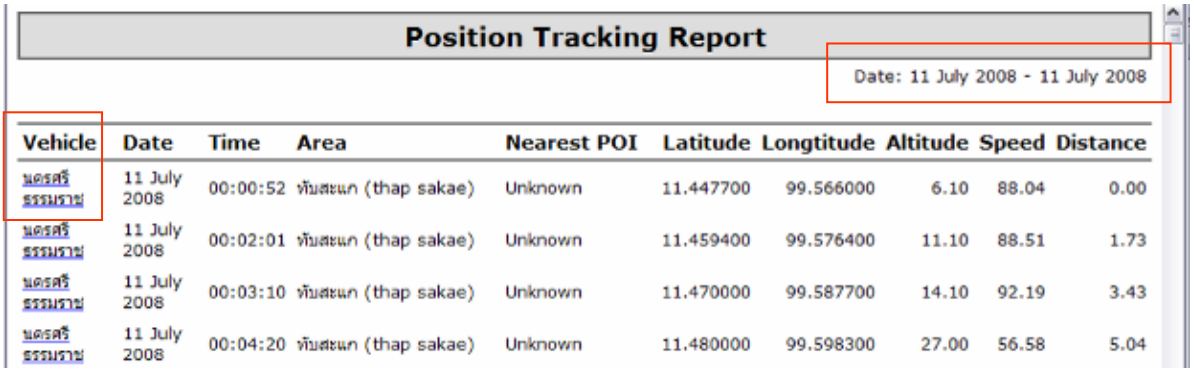
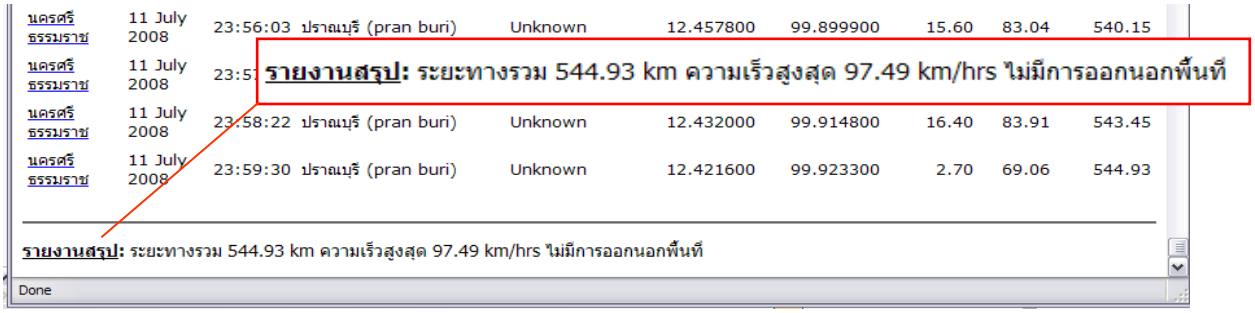
Example of each report



Position Tracking Report

Date: 11 July 2008 - 11 July 2008

Vehicle	Date	Time	Area	Nearest POI	Latitude	Longtitude	Altitude	Speed	Distance
นครศรีธรรมราช	11 July 2008	00:00:52	ทับสะแก (thap sakae)	Unknown	11.447700	99.566000	6.10	88.04	0.00
นครศรีธรรมราช	11 July 2008	00:02:01	ทับสะแก (thap sakae)	Unknown	11.459400	99.576400	11.10	88.51	1.73
นครศรีธรรมราช	11 July 2008	00:03:10	ทับสะแก (thap sakae)	Unknown	11.470000	99.587700	14.10	92.19	3.43
นครศรีธรรมราช	11 July 2008	00:04:20	ทับสะแก (thap sakae)	Unknown	11.480000	99.598300	27.00	56.58	5.04

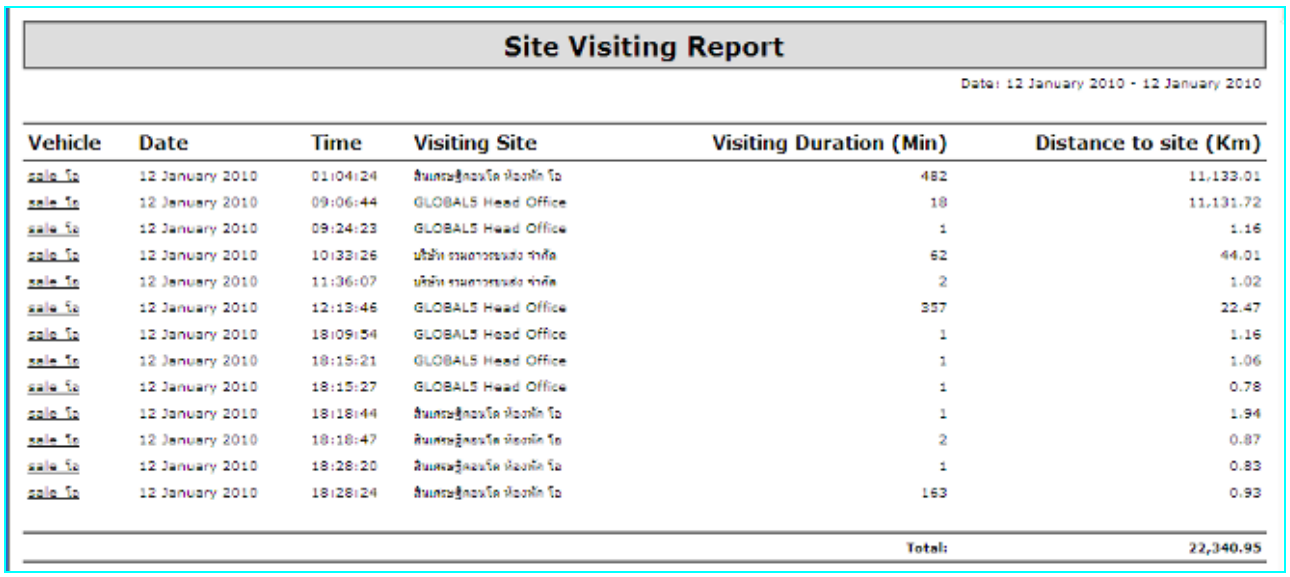


นครศรีธรรมราช	11 July 2008	23:56:03	ปราณบุรี (pran buri)	Unknown	12.457800	99.899900	15.60	83.04	540.15
นครศรีธรรมราช	11 July 2008	23:5							
นครศรีธรรมราช	11 July 2008	23:58:22	ปราณบุรี (pran buri)	Unknown	12.432000	99.914800	16.40	83.91	543.45
นครศรีธรรมราช	11 July 2008	23:59:30	ปราณบุรี (pran buri)	Unknown	12.421600	99.923300	2.70	69.06	544.93

รายงานสรุป: ระยะทางรวม 544.93 km ความเร็วสูงสุด 97.49 km/hrs ไม่มีการออกนอกพื้นที่

รายงานสรุป: ระยะทางรวม 544.93 km ความเร็วสูงสุด 97.49 km/hrs ไม่มีการออกนอกพื้นที่

Done



Site Visiting Report

Date: 12 January 2010 - 12 January 2010

Vehicle	Date	Time	Visiting Site	Visiting Duration (Min)	Distance to site (Km)
[illegible]	12 January 2010	01:04:24	[illegible]	482	11,133.01
[illegible]	12 January 2010	09:06:44	GLOBAL5 Head Office	18	11,131.72
[illegible]	12 January 2010	09:24:23	GLOBAL5 Head Office	1	1.16
[illegible]	12 January 2010	10:33:26	[illegible]	62	44.01
[illegible]	12 January 2010	11:36:07	[illegible]	2	1.02
[illegible]	12 January 2010	12:13:46	GLOBAL5 Head Office	357	22.47
[illegible]	12 January 2010	18:09:54	GLOBAL5 Head Office	1	1.16
[illegible]	12 January 2010	18:15:21	GLOBAL5 Head Office	1	1.06
[illegible]	12 January 2010	18:15:27	GLOBAL5 Head Office	1	0.78
[illegible]	12 January 2010	18:18:44	[illegible]	1	1.94
[illegible]	12 January 2010	18:18:47	[illegible]	2	0.87
[illegible]	12 January 2010	18:28:20	[illegible]	1	0.83
[illegible]	12 January 2010	18:28:24	[illegible]	163	0.93
				Total:	**22,340.95**

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Speed Limit Report

Speed Limit : 100Km/h, Moving Average : 4 | Date: 10 September 2011 - 10 September 2011

Start Time	End Time	Area	Duration (Min)	Average Speed (Km/h)	Traveling Distance (Km)
TR-600โอโซน					
View 10 September 2011 07:16:59	10 September 2011 07:19:19	ประเวศ, ประเวศ, กรุงเทพมหานคร	2	104.26	4.05
View 10 September 2011 07:26:34	10 September 2011 07:28:18	หนองปรือ, บางพลี, สมุทรปราการ	2	114.72	3.31
View 10 September 2011 07:28:57	10 September 2011 07:28:57	บางโฉลง, บางพลี, สมุทรปราการ	0	95.79	0.00
View 10 September 2011 08:10:06	10 September 2011 08:15:30	บางแก้ว, บางพลี, สมุทรปราการ	5	105.67	9.51
View 10 September 2011 08:16:53	10 September 2011 08:17:54	บางด้วน, เมืองสมุทรปราการ, สมุทรปราการ	1	102.29	1.73
View 10 September 2011 08:24:44	10 September 2011 08:25:25	ทุ่งครุ, ทุ่งครุ, กรุงเทพมหานคร	1	101.06	1.15
View 10 September 2011 08:26:45	10 September 2011 08:27:05	ท่าข้าม, บางขุนเทียน, กรุงเทพมหานคร	0	96.93	0.54
View 10 September 2011 08:28:07	10 September 2011 08:28:47	แสมดำ, บางขุนเทียน, กรุงเทพมหานคร	1	101.05	1.12
View 10 September 2011 11:12:55	10 September 2011 11:14:15	แสมดำ, บางขุนเทียน, กรุงเทพมหานคร	1	108.45	2.41

No Movement Report

More than 10minutes | Date: 12 January 2010 - 12 January 2010

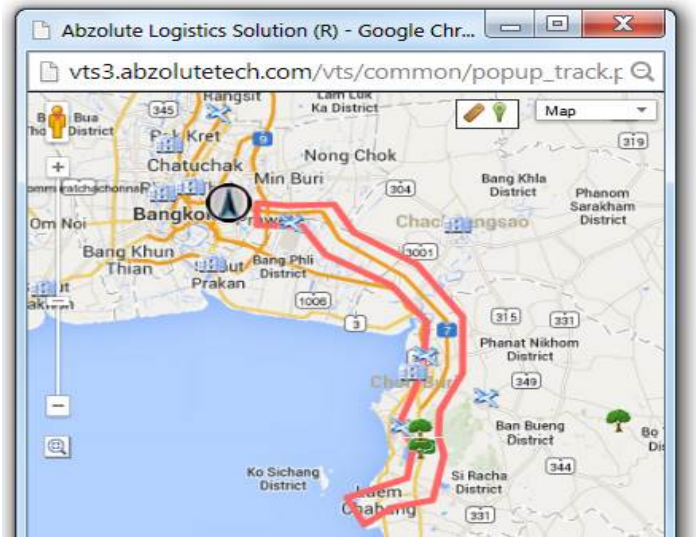
Vehicle	Date	Time	Area	Nearest POI	Duration (Min)
(O) รถทดสอบ Test 2	12 January 2010	13:52:28	บางเสาธง, กิ่งอำเภอบางเสาธง, สมุทรปราการ	-	241
(O) รถทดสอบ Test 2	12 January 2010	17:57:23	บางเสาธง, กิ่งอำเภอบางเสาธง, สมุทรปราการ	-	77
(O) รถทดสอบ Test 2	12 January 2010	19:17:26	บางเสาธง, กิ่งอำเภอบางเสาธง, สมุทรปราการ	บริษัท รถทดสอบ 2002	18
(O) รถทดสอบ Test 2	12 January 2010	19:41:18	บางโฉลง, บางพลี, สมุทรปราการ	-	11
(O) รถทดสอบ Test 2	12 January 2010	22:18:29	พันสิ่ง, บางปะหัน, พระนครศรีอยุธยา	-	13

รายงานสรุป: มีการจอดนานที่สุด 241 นาที

Area / Route Restriction Report

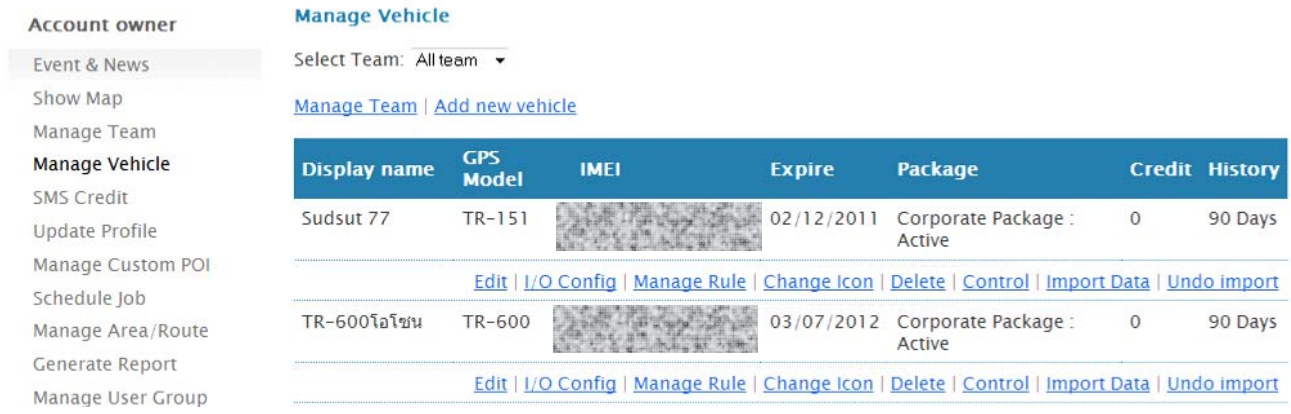
Date: 23 July 2014 - 23 July 2014

Start Time	End Time	Area / Route	Duration (Min)	Traveling Distance (Km)
151 Sale Chatchai				
View 23 July 2014 00:26:44	23 July 2014 16:25:36	OUT : แหลมฉบัง	959	0.95

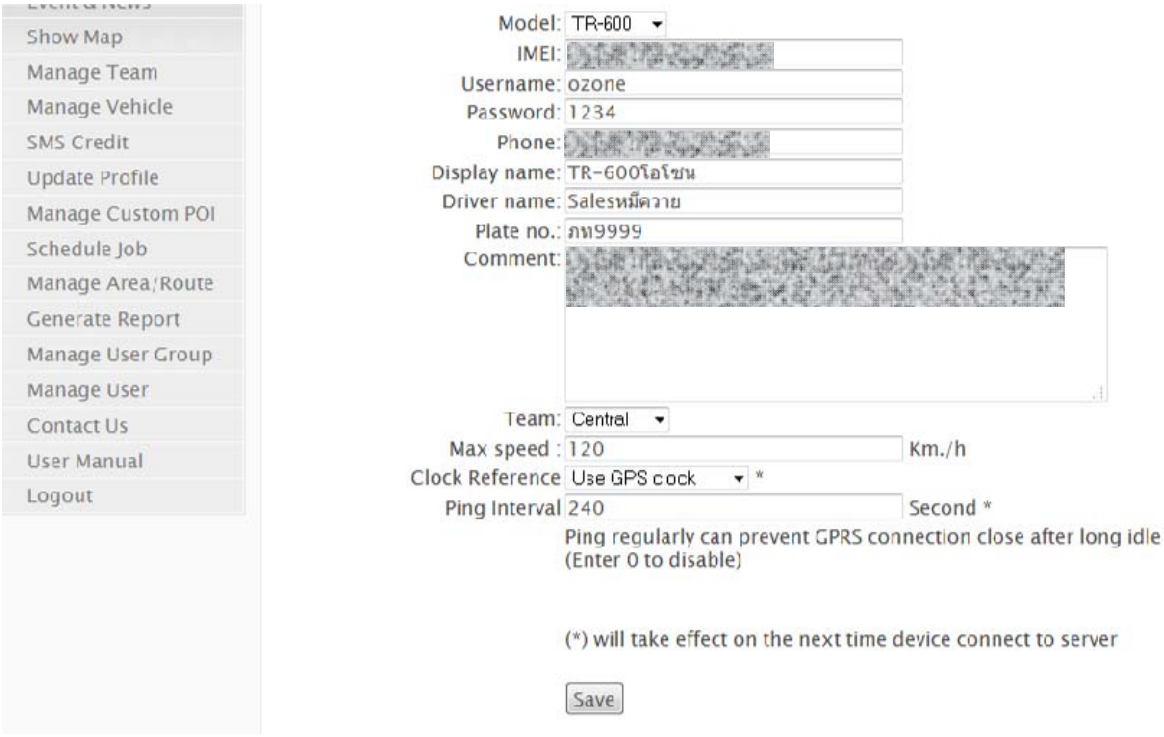


12. Configuration

Click at Configuration on the top right corner (at map view) or at main menu column click manage vehicle

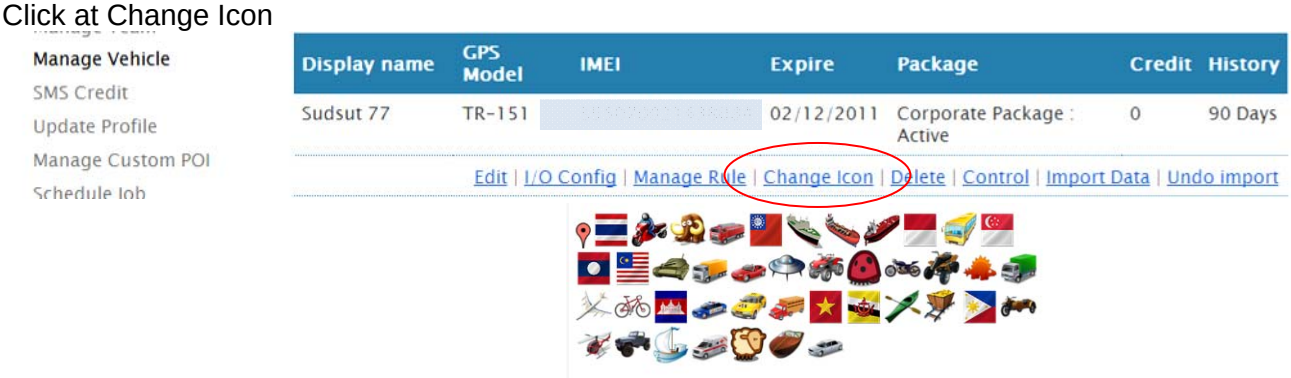


Click at Edit to modify the content.
Note: Alteration of IMEI may stop tracking information to show on the website. Normally, Global5 has already set all necessary parameters for users.

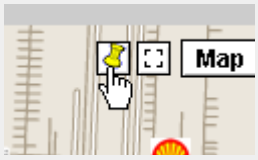


Change Car Icon

Click at Change Icon



13. Update custom POI



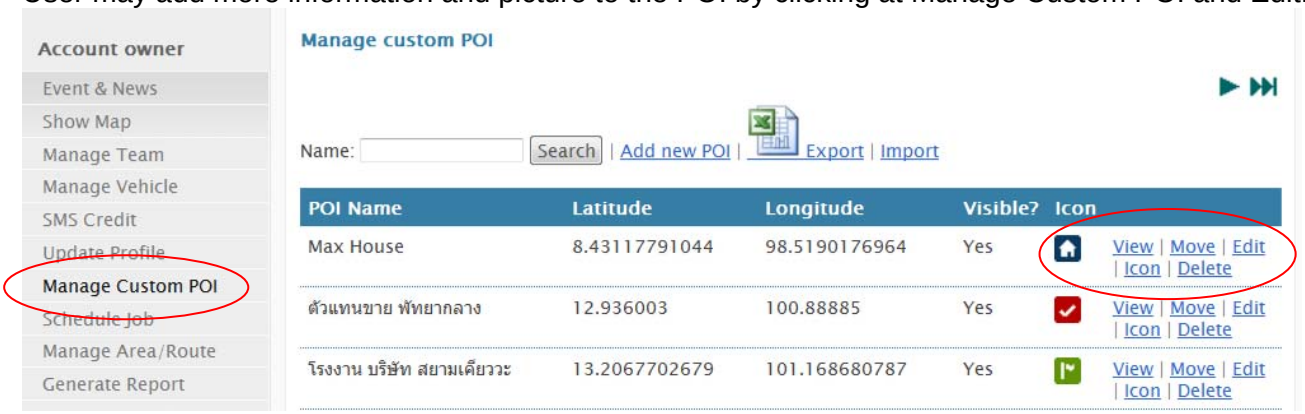
save POI by clicking at marker icon

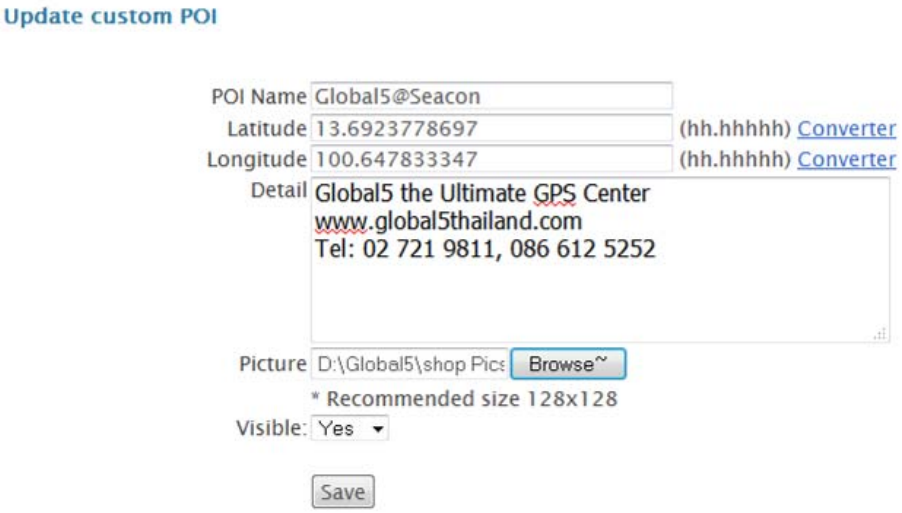
the marker will be appeared on the map, move the marker to the desired position and click at Save POI

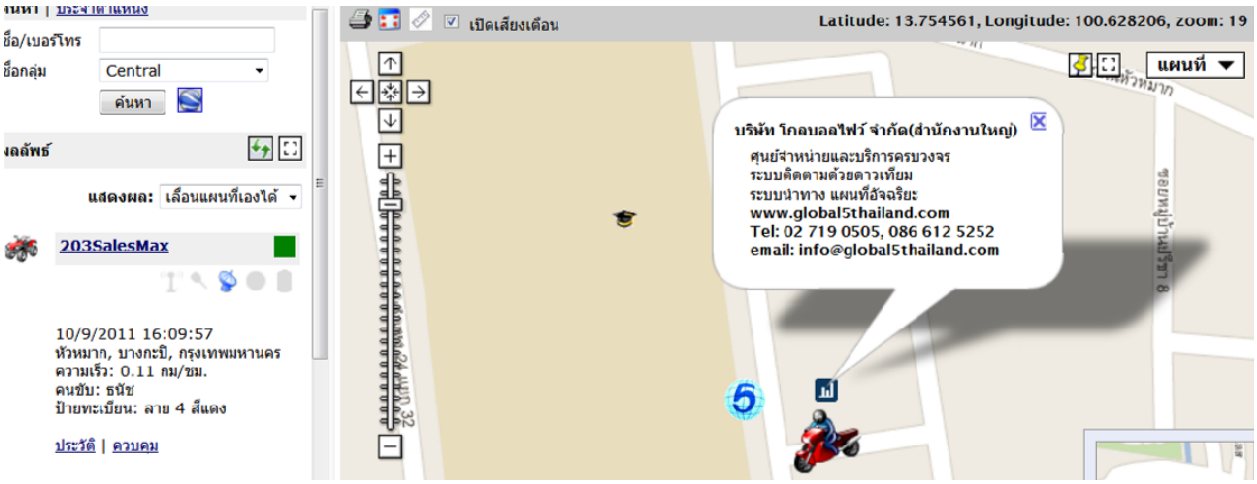
The system will confirm your action and show it on the map.

Manage Custom POI

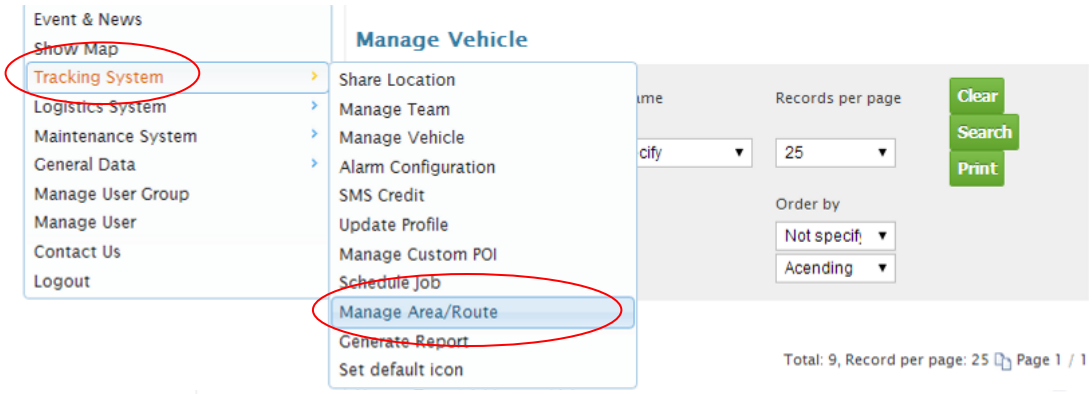
User may add more information and picture to the POI by clicking at Manage Custom POI and Edit.





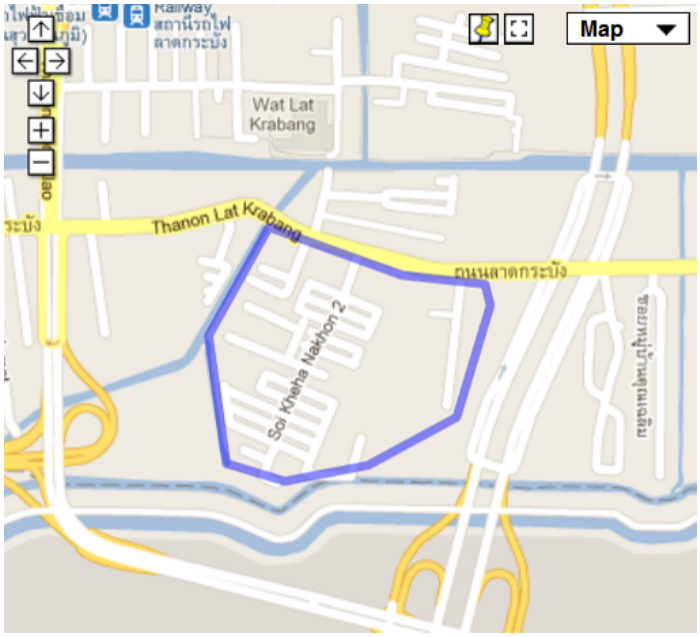


14. Manage allowed Area / Route



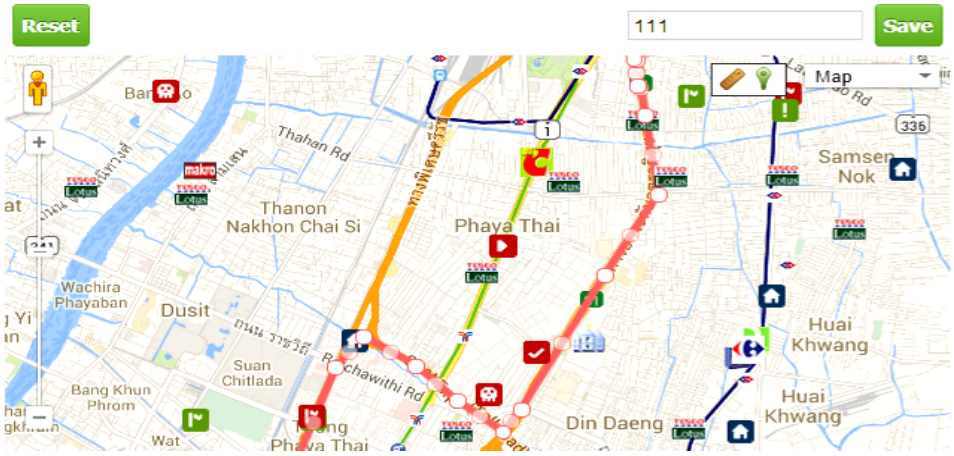
Add New Area | Add New Route

Name	Type	
out area test	Area	View | Edit | Delete
แหลมฉบัง	Area	View | Edit | Delete
บุรีรัมย์	Area	View | Edit | Delete
Global5	Area	View | Edit | Delete
111	Route	View | Edit | Delete

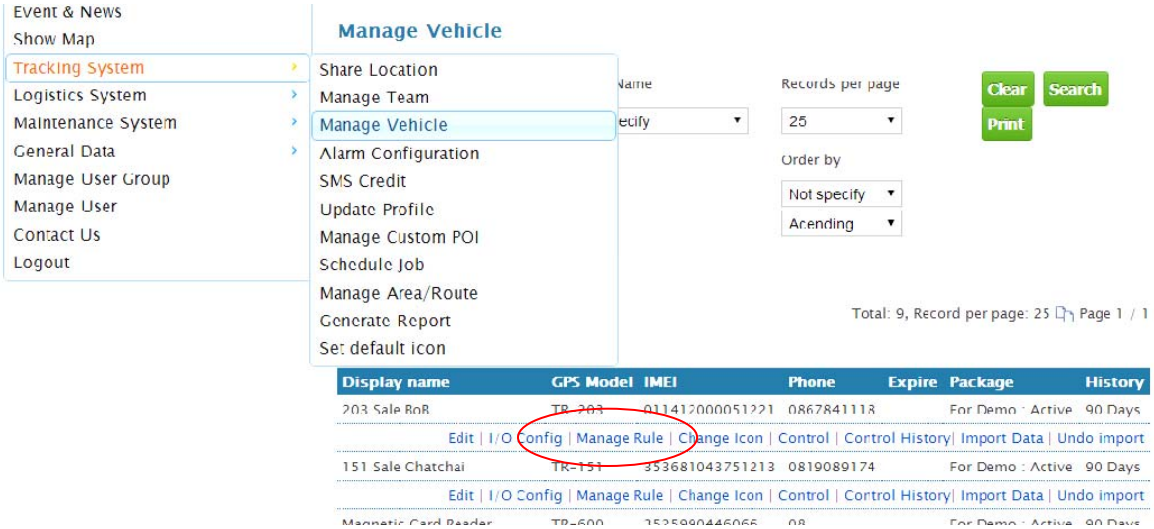


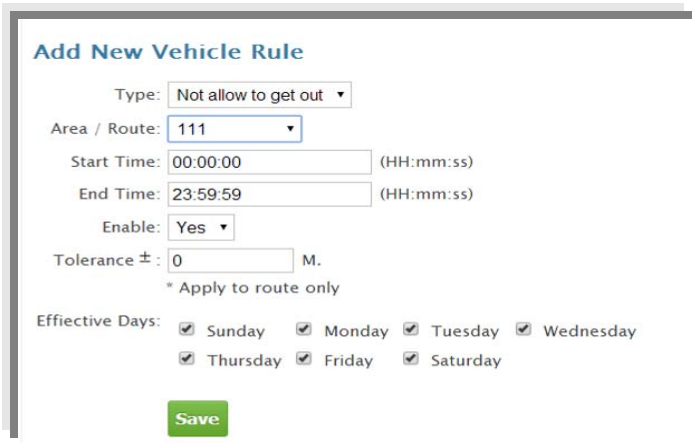
Add New Route

- Click on map to draw area or route. To end route click on the last point again, to end area click on the first point
- To edit, just move the point. Then click save to finish



Then, go to Tracking System > Manage Vehicle > Select Manage Rule for each vehicle.





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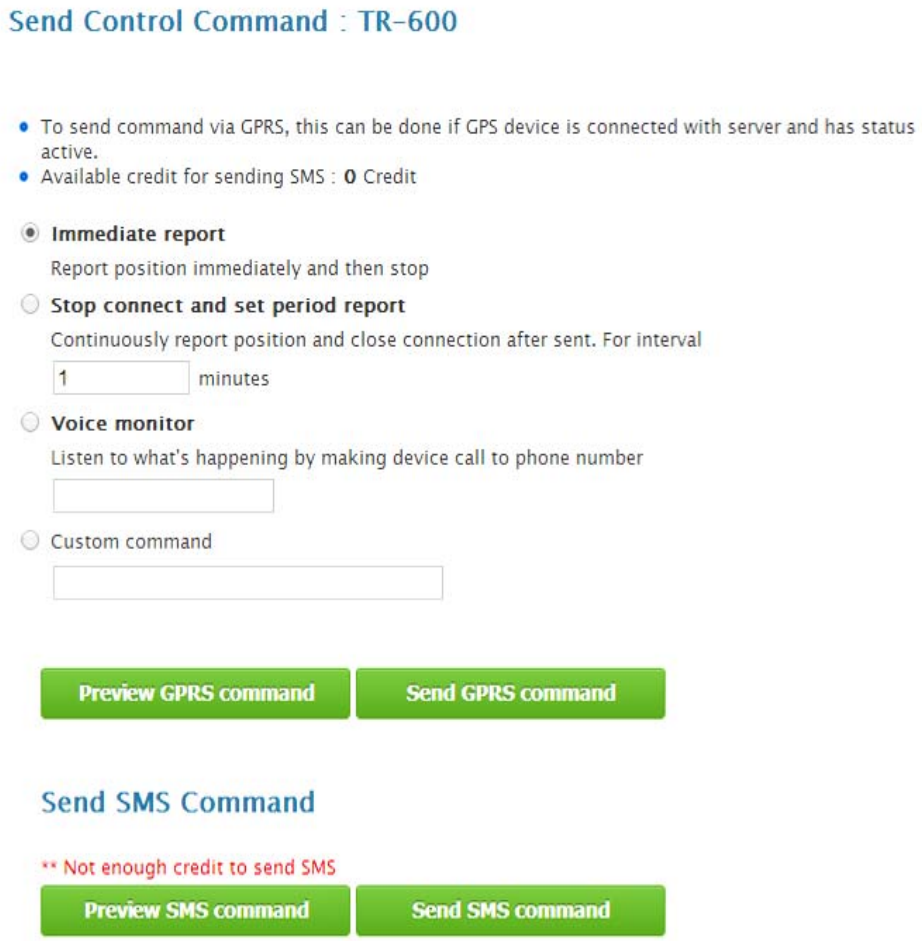
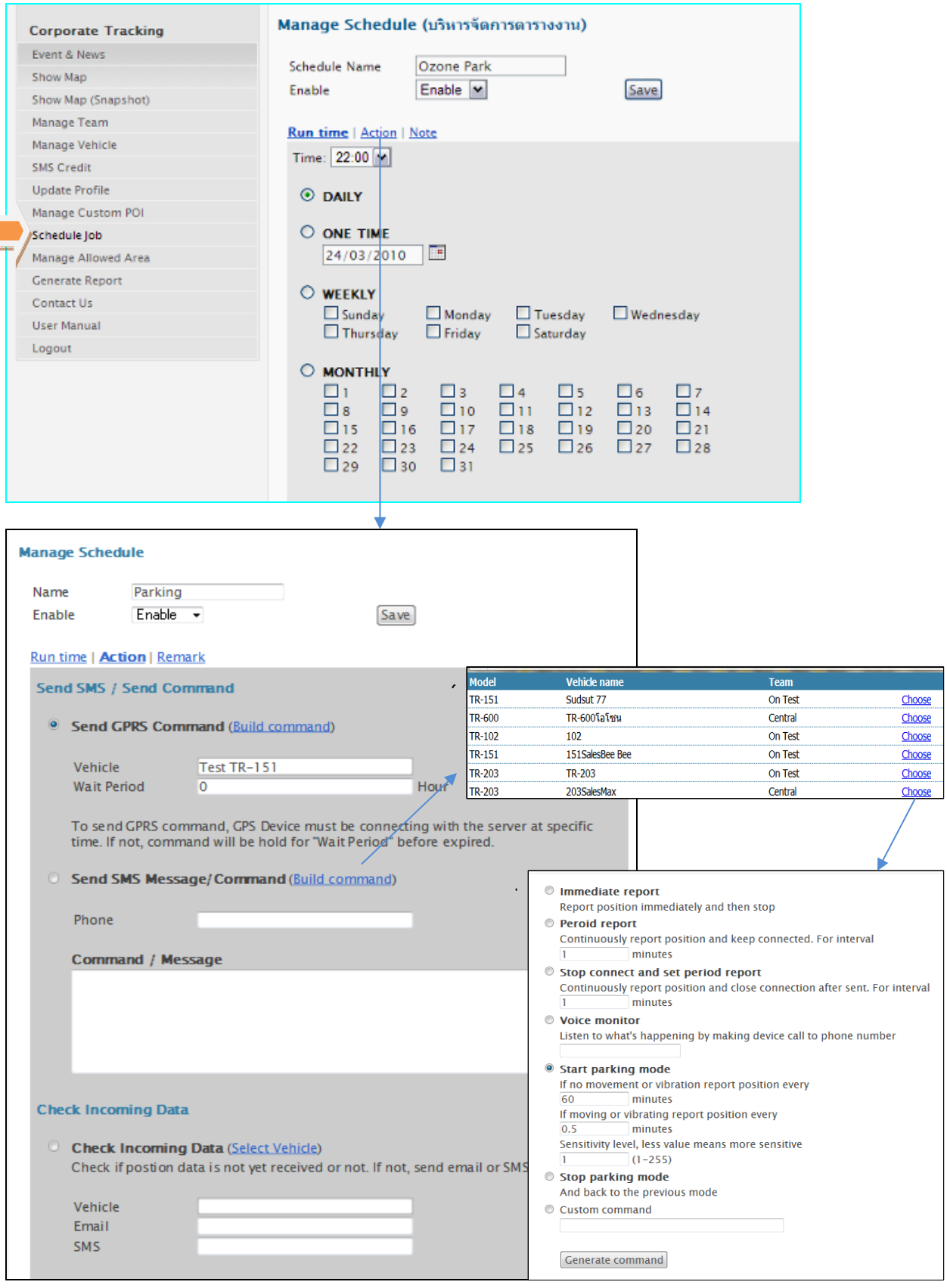
15. Control the Tracking Unit from the Website

The new pop up window will appear. Select the desire item. To send SMS command from website requires purchasing SMS credit. User may view the command code by clicking at Preview GPRS command.


Send Control Command : TR-600
To send command via GPRS, this can be done if GPS device is connected with server and has status active.
Available credit for sending SMS : 0 Credit
Immediate report
Report position immediately and then stop
Stop connect and set period report
Continuously report position and close connection after sent. For interval
1
minutes
Voice monitor
Listen to what's happening by making device call to phone number
Custom command
Preview GPRS command
Send GPRS command
Send SMS Command
** Not enough credit to send SMS
Preview SMS command
Send SMS command

16. Setting Schedule Job

The schedule job setting for tracking unit from the website is free. User may set the tracking unit to work in Park mode during the night and back to normal mode in the morning. For example;
Start Parking Mode Click: Schedule Job > select Run time > Action > Build Command > Select Vehicle > Select and generate command > save. Repeat steps to set for start normal mode.



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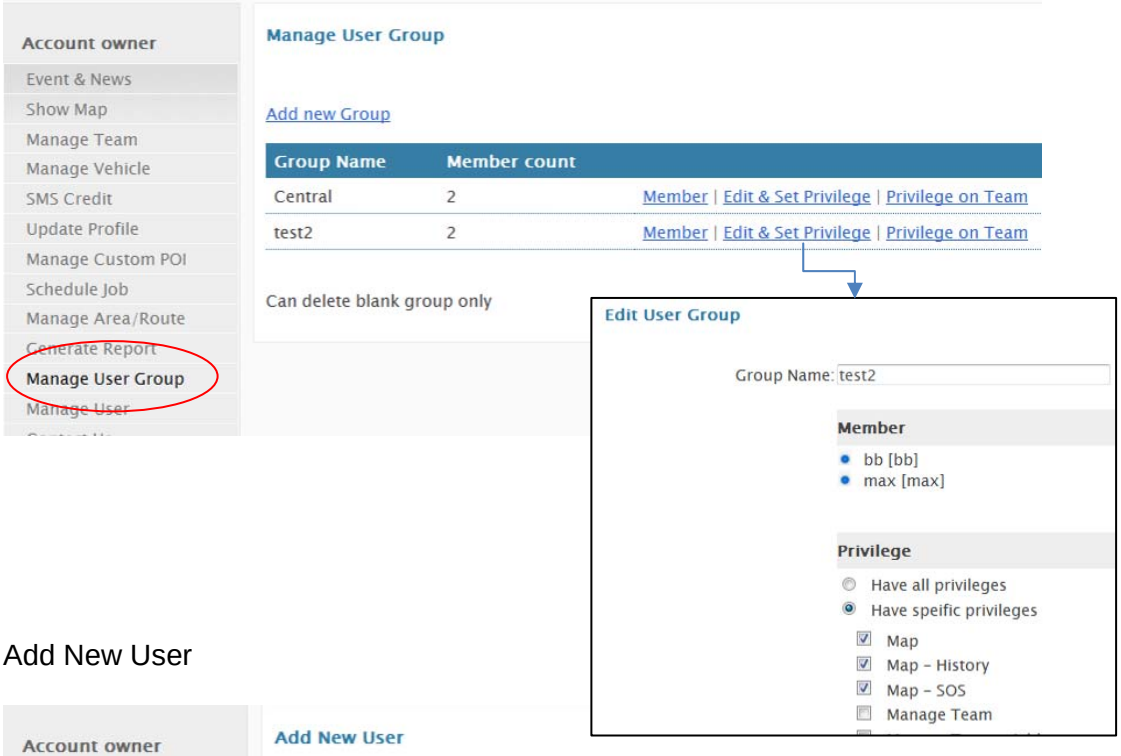
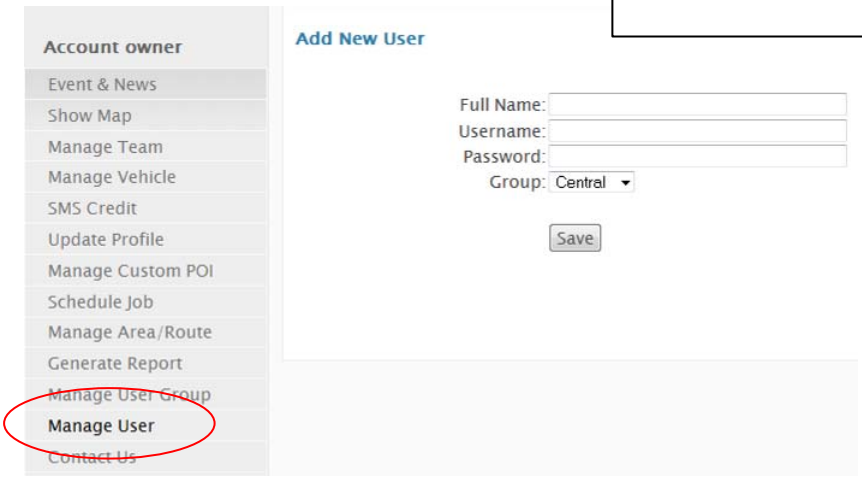
17. Sub Account and Privilege Setting

Sub account is for setting privilege of each user to view or control of website. To set the sub account, click at Manage User Group > Add new Group > Set Privilege > Add new user

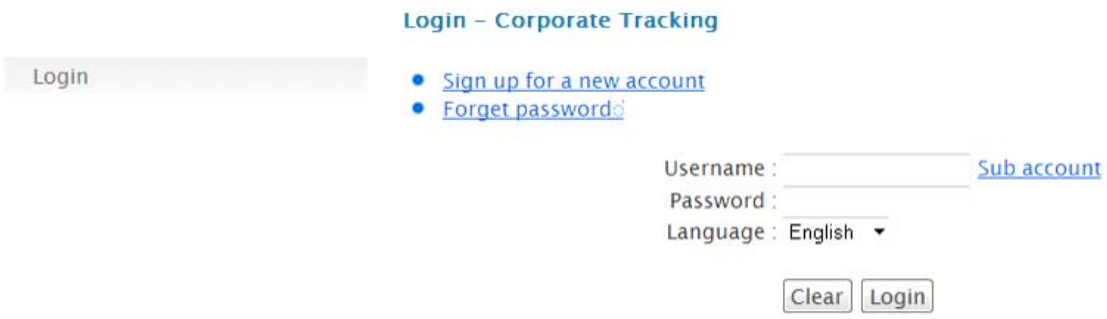


Add New User



Login

Go to http://vts2.abzolutetech.com/corp > click " Sub account" > type sub account @ main account > click Login



18. Tracking on PDA or Smart Phone

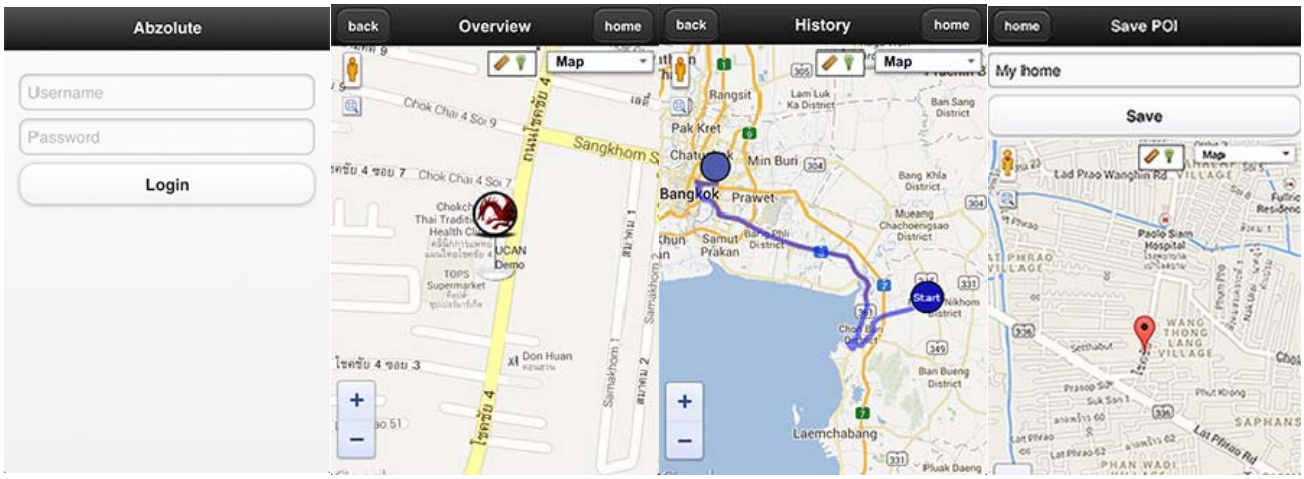
Search for “iAbzolute”

iPhone / iPad: App Store

Android: Google Play

Type Username / pass word > Login
Choices for:

- Overview Team
- History Vehicle
- Save POI



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